

1 st campo Muye 2nd camp MUNOWE near LIFIRAR Rainy months YEMAMNUASOND Derontonnyshi Specialized or Acqualy faither redommente. Infulle christistis

Embira notice Janganyika: Manue Manyerke 1500 M x-29-57 Type locality of Cephalembia sjostesti Silvestri Dry savanna on flata NE. of Mrt Merce! dig grass with southered rather large, flat-topped trees. area with numerous small tills I lave rock. Embied rather common under lava stones. Large white turnels lead into soil cracks also rediate on ground, and grass not level outward from stone. In sporte of dry conditions (no rain for months) embireds were often found in tunnels without the need for excavation. The short min records was about to begin and the sky was over cast and slight driggle fell on this date. all embrido were in about the same inster apparently penultimate. Votential males were evident by their large Knade. No embindo were found associated with true trunks or back. Dec. 14 14 mature of 6 mit & few young collected No egge or progen in sight

Megstative areas

Mtn. Forest on E. stope of Mt. Meru 1700 M

Primary forest in excellent condition. Banks

conditions apparently suitable for embinido

but apparently none present.

×-28-57

11 Mi. E. Moshi 890 M X - 29-57

Dry low sevenne on rocky hillside

Fresh tunnels of small embired app. present

under granular lava rock but no embired,

at surface. Perbebly a new Grathembia

Soil too crumbly to permit excavation.

13 Mi E. Moshi 880 M x-29-57

true. No embrieds evident in back which is either too smooth or devoid of morso and likens.

Marangu, S. E. Slope Kilamandjaro 1440 pt x-29-57 Irus along ereek prosible umbii d traus but nothing solleted. Whole area densely populated and biologically disturbed. 1. sp. + Sen? Kenya: 9 Mi E TAVETA X-30-57 CEPHALEMBIA

Thorny scrub with scattered brobab trees, vally plain, reddish soil, no stones. Resent rain, ground moist but not get time to green vegetation. Imbiids on surface of elevated by termiter at base of brobab. Junnels radiate in buried matted leaves and Twige in reddish soil. By scrapping away leaves some tunnels can be seen at surface. Tenerally they follow soil tunnels. Many 2 md (?) instar young associated with old of Tunnel centers but no adulta seen. One brood more advanced - one individual was a large premultimate of

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in the state of th

GNATHEMBIA

KENYA: 45 MI. E. TAVETA X-30-57

bout which had had some rain earlier in the season (lilies sprouting, aloes in bloom)

One embied volony radiated in three directions from a tube in the bank.

One adult male with female present

of preserved, & cultured appears to be Smathimbia

Morthern section visited. All thom seculo on reddish soil. No stones, thus no Caphelembra frunt.

Reunt heavy rain (several in ches in one period)
appears to have drowned out many rolonies.

Fresh tunnels more frequently matted down
than occupaied.

TERATEMBILD

Remnante of Mtn forest on junged old granitie min. Area of relatively though surface buck of small teratembried in ord work.

Buck of small dead true (6" diam.)

Prob. same spo. collected 1170 M on large the bordering creek, In mossy book, Rue

All cultured together.

Reunt rain

KENYA: MWANGERE HILL IIMI.S OF MAKTAU

CEPHALEMBIB BURENSIS (R-K.)

XI = 2 - 57 Neunt run This hill may be considered a part of the Bura Hello as it is the first western remnant. The Hill is almost weligh rock, but through enfoliation, slabs have become love and inbedded in surrounding reddish soil at its bose and on its surfece, this provides cover for colonies of aphilenbra directions. One colony was also found in love bank One smale and a female were seen walking on ground outside of tunnels at duck. Nearly tunnels were in grass bases without stone coverUnder above rocks Colonies of a smalle sp (Smithembia?) found spaningly. None mature.

also found and wiltered. May be a tenater bird. Male found ×1-3-57 also penult.

Y_q

The second secon

2

Discontinued Parth sp Pointe Noire #3 XI-4-57 infertile eggs laid for died

31 Mi N.W. Mombera 375 M Ordinarily-dry sevenna hillside shortly after rains. Small until tunnels rare under flat slabs of sentetine. I juw (see?)

appears to be a Grathembia.

or harry his in the second of the second

and the second of the second o

The same of the sa

RHAGADOCHIR VOSELLERI

Crest of slope above chilian Ocean
Climatic zone distinct from inland thorny
savanna. Appenently frequent rain throughout year area appears to have once been
continuous frest.

Collected in smell cyn with premnant fount.

Sundersii on and in herd back me wood. 2 immetures had rows of sclerogibbid lervore totalling 10 at least per mout. On abdomen.

Sullambia-like spo. also on and in dry buk. Junnels very similar to Congo forms.

Small teratembered seen in bank of limber on ground. Not cultured.

KENYA XI-6-57 RHAGADOCHIR

CHA SIMBA FOREST RES., KWALE 1200 EL

Low low and boxe also esterling into matted leaves at boxe. Typical colonia on trunks of coarse-fleked boxe. Tunnel follow interstices of elevated flakes and extend into layers and beneath. Their openies has entirely black for with pule bond on board third of abdomen. Juveniles pule ferruginesses in all stayes from eye masses to penultimate depending on the colonie.

Sp. 2

Minute pale teratembried in long dead song. Individual turnels follower roughening and subjected - like boronigo.

A phagadocher vrasileris

Virgin hill fruit on essengement above chilian Ocean. Mixed species with cycado and exciphytic funo, vines etc. Not a high fruit

KENYA XI-8-57

DIANI MOSQUE (SIMU BEACH) about 20 Mi S. Mombers

Dry corotal brush on sand and coral behind

brush. Misch brobab trues.

Minute teratembried (spo 2 opposite) common
in bank flakes of small shaded trues. Esp.

common on underside of 2 + 3 things bying
in leaves and sand on ground, all stage

present mules all penult except one adult

collected.

Oligotoma sunderin mixed with above,

28 Mi S. W. Kwale, Kenya Park-like savanna, green grass. Far removed from towns. Above two species present Jeratembiid (pale with black head) common in some niche as visselen 3 abelt or collected several penult and many & & young. Species prefers punky back.

E base Usambra Mts near sur mill
Sevendary low forest rather dry type but
recent rains. Small black teratembried very
common under back flakes of dead and
living trees, trunks and branches. Many
matere for, few abult or, many permet or

10 Mi W. Korogwe Savanna woods 300 M

1 or saundersie some to light

Mr attempt smade to search for entires

2-3 Mi N. MOMBO 550 M XI-12-57

Shassy slope with there semb t stones

Trace of Smither bia under stone.

157 sounderson in dead dleaves at base

of tree.

4 Mi N. Mombo 830 M XI-12-57

Small Gyn in above zone, dense brookside trees. Few minute terstembilds
under thin back flakes Cultured but little
where of survival.

Between Korogwe and Morogoro X1-13-57

passed through miles of dry savanna woods,

5. I Handeni near base of Mts

Forest became high and dense without trave of

embirds.

The same of the sa

and the second of the second o

BUNDUKI, S. slopes of ULUGURU MTS.

1200 M XI-14-57

Small black teratembird in relaids more ro

Small black teratembied in redside mosa, sotling stumps and back crevice. Very rare, for in dividuals cultured.

along streams

20 Mi 5. Morogoro XI-15-57

Savanna Woode, rocky area

107 saundersii along road, no trace of
other embiids

Whole stretch 100 mi 5.W. of Morogoro was Savanna woods frequently burned, occasional stops revealed no embireds

Byinning about 60 Mi N. E. dringa

floral and found charge to Xerie probable
stone embired country.

. 55 Mi N.E. IRINGA, TANGANYIKA, 575 M River valley hill at margin, densely covered with low thorn forest mixed with brobab. Mormaly very dry but This date spring-like with fresh gross leaves, blossoms, ground damp with recent rain. Karge colony of young Gnathembia (?) under flat stone the surface beneath dansely rowered with seed and grass debris collected by Theidale ants. Embrid tunnels ramified through this. All appeared to be one brood about 3nd instar. No adult Few other colonies collected but smaller.

No.

6 Mi N. drings on Dodoma Rd.

1 high savanna woods with rocks
but extremely dry. One empty
embired colony under about 50

stones turned. Prairie will not
begin until Dec 15. 1475 M.

21 Mi N. dringa on Dodoma Rd

1200 M

Sevenna woods on shaded slope

of rock-studded hill. Suggested

live-oak forest in august. Very

dry but 2 spp embids. Dihybos.

and Gnathembia in matted leaves

at edges of stones and beneath.

I adult of Gnath. collected Captures

Dihybo abult & and young

bright wany and black of

Mov. 18, 1957

4 Mi N. KOLO, Jangon gika (Dodoma- Aruska)

Ecomponent on western edge of rift

Covered with low mixed forest (suggest gnarled

live oaks). Mumerous lishers on back suggest

mistz clinate.

Jerstembia occur in lisher clamps on

underside of freshly out limbs on

ground. Junnels lead into back crack retreats

Jennales and young present. One penultot

all cultured.

frund under dud limb in open, dry glade in above forest. Now 18
36 Mi N. Kolo 1590 M (Stop 239)

Negative search in forest strongly

oreggestive of Hwale type

Noor 19 Sjistedt: collected in ravine 6 mi 5. Ngare Nanyuki. All pameltimete insta Resent rain

Embireds absent on granitic hill north

Mamanga 1300M X1-19-57

Brushy, rosky zone at base of
large meter of gravite

Gratherbia (?) rare under stones.

Rient rain, 1 penult of + ferrales Cultural.

Junnels in bore soil marrow white one embirit

per tunnel. Lind down soil crashs.

Othi Piwer 1560 M X1-20-57
Love boulders in acrain sound Present
rais. Southernbia (?) very rare under
stones. No trace of large tunnels

Similar sp. apprently at storey athir lent all sombinds about at straitie bluff buyond (about 5 mi SE) Othir river.)

X1-22-57 Bluffo above N.E. min of rift valley S.W. of Ngong Hills (32 Mi S.W. Nair obi) 1500 M. Bava boulders beneath low assiss Plain of recent date. Adult "D" rimbersky; (3) present

to a state of the state of the

X1-22 and morn of 23 1957 25 Mi N of MAGADI 900 M. Stones near and under large arriva in volumic area som at egge of rift vally, Kirent rain: simskyje (?) common at edge of stones and tunnels extend in superficial matted leaves 4 grosso between rocks on ground surface. Many adult or, females, eggs and some 1st inster young. dange turnels head down soil cracks. Orange and black Dikybor found in one volong under limb (4" diam.) on

gound beneath Aracia. I female and several (3 rd ?) in star. during nite bits
Note: XII-21-57 Famale brought notionerand bits
of letture down into depoths of tube. Must be method of bringing fresh, succellent food away from exposed and drying surface areas

Mor 26 6 this S. Soids, Kenza 1200M gently sloping low savanna numerous lava rocks recent rains Mavarialla t Snathembia quite common under stones penult males and few adults present Also few mi S. at 1300 M

20 Mi S. MBARARAR XII-5-57

1350 M grassy valley and armie
savanna. Thiskets along creeks and on.
termite mounds

3. W. Aganda (raing season)

25 Mi S. MBARARA XI-6-57

1375 M Rolling grassy hills + thorn

bushes. Embids is stoney road bank Follow

crisics between rocks and radiate on surface.

Stones aliving, reddich. Scelembia B+W fo

eggs + all stage of young some penult.

8 Mi N. KIKAGATE XII-6-57.

1200M Kagera River Cym,
Rochy slopes with oak-like trees

Red 4 Bl & and lot insta young in dead branch end of cortey-barked tree

(Bruly stegia?) Prob Dihybocercus m. sp.

Salesnbia for typing in same niches tunnels in bank of dead limbs, in roots of or chies etc.

A Miles northeast of Elizabeth villes on Kasengo Rord Jan 25, 1938 Raine season. Savanna woods with profuse underston vegetation and grass Enveja common in silk meste spen on leaves, between leaves (living or dead) No contact with ground. Ench mest orangoiet by adult & and egg, mass preket of eggs in matrix of masticated food, densely bound in coaling frithe No let inster hatched yet. Several nests seen which had been low open ly some prelator. Solh of this species not norted with debries or foress, Silk clean and white nests side by side

= D. collaris Mavas

Dihlbrareus colonies common on surface of done-like termite mounds - orcasionally in dead book and crevius of links and trunks, Euch rolong ourspied by adult I and eggs and lot inster young - no or a Colony ronsists of sheet center coverel with debris and occasionally earth, with radiating surface turnels. Food appointly minosiopie moss + liskers on surface I termite moundo. Turnels converge is Central nest area spæn in holes on surface of mounds

Sulembia, By W & in bruke crevices and beneath flakes - dry bruke, seldom morsey. Eggs + 1st inster present.

No of St. Colony comprises ! & only.

Parth & One whom with & & brood of lot instan found in bank nevies on underside of elevated horizontal log. Scelenbia whomies nearly by but essily distinguished by maked white silk. Discontinued acture 8 Mi S. E. Thysville.

Started during July from one jiw. I with purple with under back flake.

Matured and peroduced young without mating.

Discontinued Jan 28 with 2nd instan young.

24 Mi N livingstone M. RHod 1180 M.
Row savanna woodland on Kolahari sands
Ruent rain

Endia penult of & brick red colonies under fellen leinles, cut trees, etc. I speinen per web webs often contest with pand not too common (I culture)

Same habitat small bluich tunnels on log or brown undersides on ground Prob teratembild and Scelentia in some Culture

5. Phodesia

Unitali Heights 1400M March.
Ridge above as Unitali grassy with sparse low swanna. Scattered small stones.
Jime to t

Ting terat in motted leaves beneath would smaller stones in almost grass-free places fully exprosed to sun. 107 mature permits and jur for collected and cultured.

Desor welling bases of grass tufts.

3 Reddish brown (in juw, stoges) teret in lichen clumps on shaded rocks and true trunks appears to be some so Vimba frost spices

De Larger Embia in matted leaves beneath stones in deeper grass also also grass

5. Phohesia

Unitali Public Compo (5. of Xmis Pass) 1300 M March 16, 1958

Deddish-brown terat (possibly some as #3, opposite) in matted leaves beneath stones in dense sevenna woods, also in cracks on underside of plinles on ground. all penult ors + juv. 70

2) Embia same as #4 3 penult of 1 mit. q

VUMBA (20 Mi S. Umtali) March 16,1958 Dense mountain forest, trees costed with moss + likens.

Rosdside trees (especially) with terat colonies spread out beneath likens, and moss on soft bank prissibly 2 spap.

Several mat or, but mostly penult 044 occasionally 2-3 in one web but usually 1. Reddish - brown in color.

Unitali Comp site WI-17-58 Blackish Embia in longe colony on road ble in full after voor sum penults of 2 adalt of

Must be cystembia 277

Omidembia n. gen sp. March 25, 1958 First ansountered 21 Mi S. Messina, Franco. Semi desert brush-like thee and larger trees orasional brotate sendy penaplain in drainage of Limpsoper River at 660 M Beginning of dry season no rain for about 20 days.

Embireds in individual tunnels in dry liken- free, book crevice. Whitish, freesfree tunnels radiate short distance along back flakes. Embiids about half grown no wing pado evident Rest in densely spun mest in crevices.

Specialize in bank of Bracky stegia which is very rough and lamelhated Not found in acadia. Occurs on living trees lent especially on dead branchs and faller trees with loose banks Junnelo extend beneath back.

also found at bace of Boutpoinsburg at entrace to Wyllie Poort in rocky Cyn 800 M, early instar.

Type lot O. transvalensis

ONCIDEMBIA & SP.

6 Mi N. Olifanta River (17 Mi S.E. Gravelotte)
425 M. Brushy savanna rolling hills
with keopsies and ridges of coarse granite,
high grass, beginning of dry season

Oncidembia in metted, leaves at edges and loose dry soil beneath grante grante stones in shaled side of keoppe. Webs very white, dense (embido invisible within). Silk somewhat elastic. Some females mature I penult of some jur. orange-headed Embia; in some niche

Embired apparently about in Mtn forest west of Izaneen at 1250 M.

is and the second of the secon

Plettenberg Bay. (Scalevel). CP. II-22-58

Small-medium ambieds gen sp.?

Pamelt to + 07? +2-instan on ten soil not

Sand) just inland on E. side river

soil with robble stones on and in surface

ruent rain. Embiels not under stones

but in leaf litter and heaf mould as

will as thing mose covered ground mined

with grass. Found in rather exposed.

Any edges of bush - not in deep shale.

Teratembried

Tangenyika: Mbisi Forest 2180 M TE-14-58

Moody back creview in heavy forest with

numerous high Engohorbia trees for and

eggs rollected and cultured. Culture died

out without producing off.

Oligotoma saundersii record

Angola: Cappola 110 M VI-1-58 (Road)

On road bark dedges, Funnels

radiate on rock surfaces light penetration

deep into rock crevius - 0% in viol

Field notes Forth de Benes, abidjan VI-19-58

Pla Hakey back and vine mat on large fourt trees. Junnels radiate from such niches fouring large sheet webs. Even web, not showing tunnels covers whole surface of this This wilk bluish - white and speckled with reddich back dust as as to appear purplish. Results in good remouflage of wilk against back. Back beneath silk devoid of surface moss or lichere. Many micropolypids in tunnel system.

Sell: Intimate pattern of silk turnels radiate on surface of banks from a protective slump of likens, moss, or back flake. Silk chalk-white devoid of surface debric.

Embia subulosa Enderlein Collected at type locality KUBUB, a ranch about 4 mi S. aus (Ranch dates from 1885) Could characterized by granite Koppies and smill rangons (granite hung in Calcite not typical granite). Drain oge lines with seathered ameria. Rained within a few days at time of visit May 6, 1958. Smuch very damp just beneath dry surface. Surface course granite rank; no grand. Embiado found under stones in oppor as well as beneath trues. Summels very frush, thin transparent. Spour within the last few days because of stimulus of rain. Kadiste on under sunfare of stone and in twig-leaf debrir at edges from a main subter renew lumiour (after follows;

Embireds present near surface and edge of stone apparently attracted by heat of sun. Males and fernales in adult stage present with late instance of both sexest. At least 3 or and 32 were taken from a single tunnel at edge of one stone to often in company of males. Mating must frequently occur between brother to sister.

1) they be around DNCIBERTBUA N.SP 15 Mi N. OKAHANDJA, S.W.A. 1460 M Long menow nocky tridge in sevenne Thom bush and gress. Thy season, grownl and regelation & year ched Embid turnels fing numerous under stones on S. exposure. May stones timed by baboons, must be a hogard to embile here. Most tunnels devoid of life at surface. One adult male collected & down. One late penult of 6" down in twisted vertical turnel. Several 1st inster collected in dense tunnels chinging to underside of works. about 20 let inster collected in subterranean turnels 10" charge in another Season unwoully dry.

Oncidembia (?) 7 Mi N.V.T. de Era, Angola 17 May 38 1100 M extreme dry ronditions Mypone wordland with small pans bordered by larger Oak like trees, occasional Brobat and Pterocarpers. Small embied rolonies in dy bruke, no embiids observed, must be deep in book. Two Karolyimbia and Sulembia Knyer colony of big spa in splin tend and of dead limbs on ground beneath tree. Flight of large male Omadembio beggs about 6:30, attracted to light as late so 7:15. Temperatare at 8:00 66° F. 6 collected Rain stimulus appearently not assential

5 Mi S. Villa arriaga, Angola V+21-22-58 1000 M, Narrow Rocky cyn at boxe of escargo. small flowing stream through granite formation. Deciduous thorn forest with scattle ed brobato Ly suron & Embia: under stones in dense shaled thinket swent covered with small deed leaves. Junnel usually with one dank reddish holf grown? individual. about five cultured. Paroligembia : colonies on surface of lage, verticul-siled, granite boulder 15 high. Their coloney in crevices and under expoliating prices turnels radiate on surface of noch to bicken changes about 12 collected including some insteere females. Rough granite country side with dry dendusus, dence forest. Embiid turnels under im bedded long dry longo. Junnels frush but no in miles collected it sum.

11 Mi N.E. In da Bandeira V-20-58 1700M Browneystegia woodlands much like Katanga. Dry senson Imbied colony with at least one brown + ours & in under break back of fresh stump. Junnels under books to ground level but little evidence of external turnels and none sumed to go below ground level It some sp in small tunnel under granite stone. No excavation necles. 20 Mi 1. E. Sa da Bendeira V-21-58 1650 M dig senson High sev. words -

Embired rolonies radiating in surface liken of long dead small logo of branches on ground: Turnels retreat into old dry much ter mite gellevies within the embired are concentrated many to a ternal. Penult and only penult of of a factorial (about 35 cultured) May be some brown to cream openies.

Varoligembia angolina V-23-58 6 Mi N.E. Moumedes 120 M 10 Mi. M.E. " 180 M Type boulity about 15 mi (25 KM) N. E. a fog bruke with a ceiling of about 1500 hung own the coast and extends about 35 mi (by road) inland, In the above localities the ground and rockes are frequently for - dampened. The soil jo encrusted with a blackwish hicken and the rocks are conted with their lichens. at the 10 mi lordit green tuft bikens were present, Other wise the rigion so devoid of vegetation except for an oriasional prostrate shrub Formation appears to be elevated rea bottom with layers of sand alternated by hander with which breaks off at edges of musas. Embrido accour on sides and topos of There norther with colonies centered on a

pit crevice, or radiate up from bruith stone. Colonies usually form a silk matt inhabited by many individuals.

All stages of development at this date

1, 1

Angola

5 Mi N.W. Nova Liebon V-27-28-58

Low swanna woods dry season 1740 M.

D. M. L. C. L. (3) under small stones. June

D Reddish Embia (?) under small stones. Funnels in mettel leaves. One embired poir stone most at ground surface (ground damp

under deep im beddet stone) Wort 5 cultured

2) Scalembia (?) in bank of dead standing the . Weathered tunnels on comme day exterior bank, Dance ariso- aros of romallar tunnels under this layer unoccupied. Embirely

in damp rotting word of cambium layer. About 10 cultured 3 nd inster.

3) Scelenbis (?) possibly above sp. Turnedo radiate on surface of hard dome-shaped termitaris. Embish in dense mens of sikk beneath learth flake on on sides bequeath

appressed ling.

Mass of ambrid turnel, between green laves of low herbosecous plant. Not connected with ground Could be Enveryou but may be fresh orewrence & Scelembia

13 Mi N.W. Villa Teixeira da Silva 1500 M Semi-cleared low savanna woods, dy season

but dange under larger logs Keddick Embio Jew. (2-3) under fresk bark

roll from fallen bee hive. Sulambia rolonies on lambo - no culture

25 Mi N.W. V.T. du Silva 1720 M

Kidge with dy swanna woods. Crest hard pen of reddish coarse granular

nrek. (Small reddish juveniles under above stone esp. in contact with hard pan. Junnely small blinch - white Occasionally radiate up side of rock: No sign of large turnels 2) kanger more orange gines (prob Embia) under logo & ordinary stones. One insect per turnel system as above. above 2 spp mined in one cultures

2 Mi N. Hengue 1550 M Like crust of fresh felled true in high sav wide. My he one terat in culture from branch on ground

Machadoembia sp. Very common throughout coffee plantation on granitie ridge west of QUILENDA. This area was once a nontinuous tropical forest of the Majorbe type. Has since bren semi-cleared for roffee growing. Embiredo on all sorto of trees except smooth - booked at times in crotiches of there. Intensive matted tunnels evident but badly weathered. Occasionally groups of embires stat new tunnels under the protection of theor matto, Most embiredo when found in fresh tunnels issuing from binestl back flakes - ususly me embind per tunnel Cut off, splintered singling stumperant rough palm trunks also froved Most miles were penult, two were adult Web costed with fine debrit

Partengeretie? sp. some bralify In dry splinteres of small stump (book long gone). About 2-3 rd inston. Webs highly elastic white.

Sulembra: Some place and niches, Bluidwhite turnels ramify in pattern.

Egg note: Eggs of apterembia from 6 Mi N.
Whittlesen C.P. laid in irregular cluster
not plastones to surface. Mixed with frame
chodividual eggs often, but not always, coated
with grayish material and silk.

Accounts where the state of the

Habit: Males of Machadoerabia from
Roca Emilia angola rest in numbers
with only anternac protunden from
upper extenition of turnel. When one
leaves the turnel others do lifewise

Egy note: Oracidendia from 6 Mi N. Olifont.

VI-10 scatland in top of culture, one groups
forming a cluster of about 10 eggs stuck
together but not adhering to a surface
Egg surface white devoid of debis covering
Shape distinct openculum lid covering
the curve following that of egg ends.
Egg cluster reminds me of blastelo. Fernale
boserved to siege each egg ball and transfer it
deeper in turnel system. Sample eggs preserved

Black Feratembied or agoterous or alate

Mountain forest zone with Podo con pur and
bamboo. Embiedo on mosay bank, especially
on roots and logo protruding.

52 Mi N. W. Makuru, Henya X-15-57

2700 M

Did not culture well died out early is 58

15 Mi West Hompale, Ugarda 1200 M large fourt reserve of congo type sain forest. Careful search revealed only one small rolony in bank crevies - prot a terstendied only 14 cultured but apparently virgin. XII-1-57

Scelembia common in stong road bank.

in grassland hills 25 Mi 5. Mbanan.

Uganda XII-6-57 1375 M. Culture died

out.

Plesembia pp.

Crest plateau of Mt Hoyo, Congo

Crest plateau of Mt Hoyo, Congo

Mossy back crevies of small tree

dark for and young X-6-57 3rd instar

1-1-58 but culture died out

Embired very rare in eastern Ituri

forest region. This was the only colony

seen in two days of search.

Scelembia

Terstembiid

In wet men forest 78

In wit mtn. forest 78 km W. Astrida
Mossy back of large trees in virgin forest

2350 M XII-10-57 Calture died out

but both of & motured.

on N.E. side of Mt Elgon.
Under book flakes of large trees
altere did out.

Terstembied

20 Mi 5. Thompson's Falls 2600 M x1-27-57

Men forest with high, dense barnboo. Colonies in lichens
on dead back, espacially on dead vine hanging
from tree. Colonies rare. Culture died.

Dumbrody C. P.

Broad alluvial valley in desert seculo. Row
brush on gravel side slopes. Att. 160 M
Embirido beneath and between poled cobble stones
on silty soil men O'Neil's old mission school.

Series definitely topotypic appensis. Culture

made on II-18-58 half grown nymphs. Developed
into two types of males (distinct openies?)

you to

When Farm C.P. 2 mi W. St Marks 940 M (Stope 524) (N.E. of Queenstown) II-5-58 brazing land in low assis, spouse savanna. Most collecting done on flat-topped bluff with flat stones and over brink is sumi-shaded thickets. Apparently 2 spop. of apteriorbia

Abandonal cultures

Uganda: 15 mi w. Kampala in forest reserve
Only 12 found and cultured 1200 M

XII-1-57 I think no or wore produced

Uganda: 25 mi 5. Mbarara 1375 M

Crasks in stones and red road banks in

growy hills XII-6-57 Schlembia

• A-

Congo: Met Hogo crest

3rd instan in dead saysling x-6-57

Prob Plesembia

Urundi: 78 km W. Astrida 2350 M Mossy brok in vergin Mta forest XII-10-57 Jeratembird

ID MI. N. UBOMBO TUATAL

NR PON TOLA R. 160M

N-S-58 GEN. BARK

18 MI. S. E. BURURI

1600 M. II-12-58 RD GK

1200 M. II-12-58 RD GK

SCELEMIGIA AGRIC AREA

MOSSY ROUK IN DEEP SHADE MTN.

FOREST, ALSO TRUNK Y TRAIL BE
2000 M. WEST SLUPE ROWNZORL

N-25-57

Denetic drift survival of mutant

